

Wikiprint Book

Title: Public/User_Guide/PaS

Subject: DEEP - Public/User_Guide/PaS

Version: 70

Date: 01.05.2024 08:25:50

Table of Contents

| | |
|-------------------------------------|---|
| Detected HW and node issues | 3 |
| CM nodes | 3 |
| DAM nodes | 3 |
| ESB nodes | 3 |
| SDV nodes | 3 |
| Software issues | 3 |
| SLURM jobs | 3 |
| GPU direct usage with IB on ESB | 3 |
| GPU direct usage with Extoll on DAM | 3 |

This page is intended to give a short overview on known issues and to provide potential solutions and workarounds to the issues seen.

Last update: 2021-01-12

To stay informed, please refer to the [News page](#). Also, please pay attention to the information contained in the "Message of the day" displayed when logging onto the system.

Detected HW and node issues

CM nodes

- dp-cn25: FW issues ([#2495](#))

DAM nodes

- dp-dam02: node currently reserved for special use case ([#2554](#))
- dp-dam03: node currently reserved for special use case ([#2242](#))

ESB nodes

- dp-esb[01-25]: currently not available due to Fabri3 installation**
- dp-esb73: GPU ECC error ([#2523](#))
- dp-esb75: node currently reserved for special use case ([#2568](#))

SDV nodes

- several nodes have been taken offline:
 - deeper-sdv[11-16]
 - deeper storage system: (deeper-fs[01-03], deeper-raids)
- deeper-sdv[01-10]: currently not available: configuration change needed
- kn101: NVMe issues ([#2011](#))

Software issues

SLURM jobs

- due to introduction of accounting with the start of the early access program there is some re-configuration of user accounts needed within SLURM to assign the correct QOS levels and priorities for the jobs
- this might lead to (temporary) failing job starts for certain users
- if you cannot start jobs via SLURM, please write an email to the support list: `sup(at)deep-est.eu`

GPU direct usage with IB on ESB

- only available via Developer stage, for testing load:

```
module --force purge
module use $OTHERSTAGES
module load Stages/Devel-2019a
module load GCC/8.3.0 or module load Intel
module load ParaStationMPI
```

- use `PSP_CUDA=1` and `PSP_UCP=1`

GPU direct usage with Extoll on DAM

- new Extoll driver for GPU direct over Extoll still shows low performance on the DAM nodes
- available via Developer stage, for testing load:

```
module --force purge
module use $OTHERSTAGES
```

```
module load Stages/Devel-2019a
module load GCC/8.3.0 or module load Intel
module load ParaStationMPI
```

- expect performance and stability issues